

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/002025

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7: C12N 1/04, C12N 1/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
C12N 1/04, C12N 1/20

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Canadian Patent Database, Delphion, STN (Biosis)

Search terms: monosodium glutamate/msg/sodium glutamate/glutamic acid, yeast extract, freeze-dried/dry, lyophiliz(s)e/lyophiliz(s)ation, media/medium, preservation, protection

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
X	CA2329874, A1, (BASF AKTIENGESELLSCHAFT) Runge F et al. 11 November 1999 see examples K4 (p. 22-23) and S3 (p. 26)	1, 4, 16, 19
Y	JP60188060, A2, (MEIJI MILK PROD CO LTD) Tsutomu K et al. 25 September 1985 (abstract) Thomson Derwent [retrieved online 2005-02-10 from Thomson Delphion, Illinois, USA] Derwent Accession No. 1985-279143	1, 2, 4, 6, 9-14, 16, 17, 19

[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
14 February 2005 (14-02-2005)

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17 March 2005 (17-03-2005)

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
Y	<p>JOHANNSEN E 1972 Malt extract as protective medium for lactic acid bacteria in cryopreservation J APPL BACT 35:423-429 see whole document, especially Table 1</p>	1, 2, 4, 6, 9-14, 16, 17, 19

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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PCT/CA2004/002025

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
CA2329874	11-11-1999	AU3825399 A CN1308669T T DE19819475 A1 EP1073712 A1 HU0101709 A2 JP2002513559T T NO20005416 A WO9957242 A1	23-11-1999 15-08-2001 04-11-1999 07-02-2001 28-09-2001 14-05-2002 27-12-2000 11-11-1999
JP60188060 A	25-09-1985	JP1729138 C	29-01-1993